

NEW



Quality and reliability is our tradition

KYORITSU

Digital High Voltage Insulation Testers KEW 3125A / 3025A

Robust & Ergonomic Design!

De Facto Standard High Voltage Insulation Testers!!



KEW 3125A

1T Ω

250V-5000V



KEW 3025A

100G Ω

250V-2500V



- **Insulation Resistance up to 1T Ω (KEW3125A)**
- **Short-Circuit Current up to 1.5mA**
- **Wide Test Voltage from 250V to 5000V (KEW3125A)**
- **Diagnosis Function of PI and DAR**
- **Newly-designed alligator clip**
- **It comes with a tough hard case**
- **Filter function reduces noise interference for obtaining stable measurement**
- **Large display with Bar Graph indication and backlight**
- **Live voltage warning**
- **Safety standard IEC61010-1 CAT IV 300V / CAT III 600V**

Made in Japan

KYORITSU ELECTRICAL INSTRUMENTS WORKS,LTD.

<http://www.kew-ltd.co.jp>

KEW3125A / KEW3025A Specifications

* 3125A only

| Insulation resistance | | | | | |
|-----------------------|---|-----------------------------|---|--|--|
| Rated Voltage | 250V | 500V | 1000V | 2500V | 5000V* |
| Accuracy | 0.0 - 100.0MΩ | 0.0 - 99.9MΩ 80 - 1000MΩ | 0.0 - 99.9MΩ 80 - 999MΩ 0.80 - 2.00GΩ | 0.0 - 99.9MΩ 80 - 999MΩ 0.80 - 9.99GΩ 8.0 - 100.0GΩ | 0.0 - 99.9MΩ 80 - 999MΩ 0.80 - 9.99GΩ 8.0 - 100.0GΩ |
| | | ±5%rdg±3dgt | ±5%rdg±3dgt | ±5%rdg±3dgt | ±5%rdg±3dgt ±20%rdg(100GΩ or more) |
| Short circuit current | 1.5mA | | | | |
| Output voltage | Accuracy | ±10% | | -10 - +20% | |
| | Monitor | ±10%rdg±20V | | | |
| Voltage measurement | | | | | |
| Measuring range | AC:30 - 600V (50/60Hz) DC:±30 - ±600V | | | | |
| Accuracy | ±2%rdg±3dgt | | | | |
| Power source | DC12V : LR14/R14 x 8pcs | | | | |
| Applicable standards | IEC61010-1, 61010-2-030 CAT IV 300V / CAT III 600V Pollution degree2, IEC61010-031, IEC61326-1, 2-2 | | | | |
| Dimension | 177(L) x 226(W) x 100(D) mm (Hard case 380(L) x 430(W) x 154(D) mm) | | | | |
| Weight | 3025A:1.7kg approx. 3125A 1.9kg approx. (including batteries) 4kg approx. (including accessories) | | | | |
| Accessories | 7165A(Line probe:3m), 7264(Earth cord:3m), 7265(Guard cord:3m), 8019(Hook type prod), 9180(3025A Hard Case), 9181(3125A Hard Case), LR14(Alkaline battery size C) x 8, Instruction manual | | | | |
| Optional | 7168A(Line probe with alligator clip:3m), 7253(Longer line probe with alligator clip:15m), 8302(Adaptor for recorder) | | | | |

Accessories



EVERYTHING YOU NEED.....



Diagnostic Insulation Tests

PI Polarization Index

$$PI = \frac{\text{Insulation resistance value 10 min. after start}}{\text{Insulation resistance value 1 min. after start}}$$

| PI | 4.0 or more | 4.0-2.0 | 2.0-1.0 | 1.0 or less |
|----------|-------------|---------|---------|-------------|
| Criteria | Best | Good | Warning | Bad |

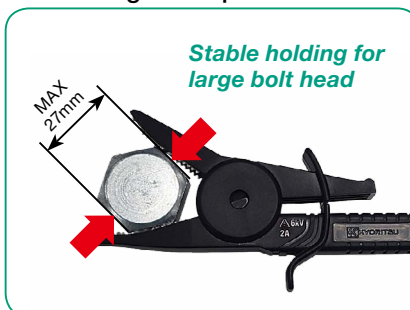
DAR Dielectric Absorption Ratio

$$DAR = \frac{\text{Insulation resistance value 1 min. after start}}{\text{Insulation resistance value *15 sec. after start}}$$

| DAR | 1.4 or more | 1.25-1.0 | 1.0 or less |
|----------|-------------|----------|-------------|
| Criteria | Best | Good | Bad |

*User-Selectable 15sec. or 30sec. interval

New alligator clip



Optional



7168A
Line probe with
alligator clip(3m)



7253
Longer line probe with
alligator clip(15m)



8302
Adaptor for recorder
(Output 1mV/1μA)

Selection Guide

| MODEL | 3025A NEW | 3125A NEW | 3126 | 3127 | 3128 |
|-----------------------------|-----------------------------|--------------------------------|---------------------------|---|---|
| Voltage range | 250V/500V/1000V 2500V | 250V/500V/1000V 2500V/5000V | 500V/1000V 2500V/5000V | 250V/500V/1000V 2500V/5000V | 500V/1000V/2500V 5000V/10000V/12000V |
| Max measurement | 100GΩ | 1TΩ | 1TΩ | 10TΩ | 35TΩ |
| Short circuit current | 1.5mA | 1.5mA | 5mA | 5mA | 5mA |
| PI | ✓ | ✓ | ✓ | ✓ | ✓ |
| DAR | ✓ | ✓ | ✓ | ✓ | ✓ |
| SV/DD | — | — | — | ✓ | ✓ |
| Filter | ✓ | ✓ | ✓ | ✓ | ✓ |
| Capacitance | — | — | — | ✓ | ✓ |
| Memory/communication | — | — | — | ✓ | ✓ |
| Power source | LR14x8 | LR14x8 | LR14x8 | Rechargeable lead storage Battery(12V) | Rechargeable lead storage Battery(12V) |
| Measurement categories | CAT IV 300V CAT III 600V | CAT IV 300V CAT III 600V | CAT III 600V | CAT IV 600V | CAT IV 600V |
| Dimension (mm) (L)x (W)x(D) | 177x226x100 | 177x226x100 | 205x125x94 | 208x225x130 | 330x410x180 |

! Safety Warnings : Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each instrument.

For inquires or orders :



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